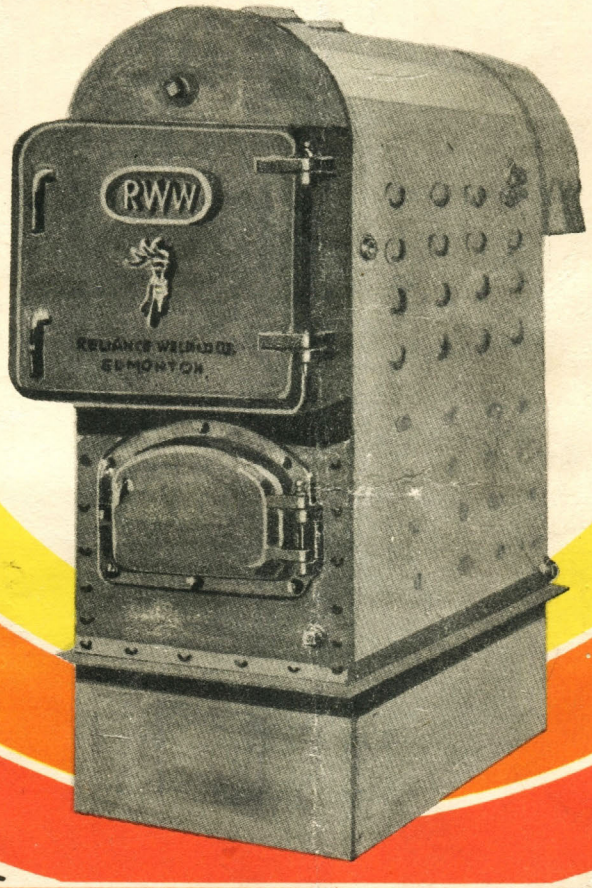
RWW

Boilers



RELIANCE STEEL TANK & BOILER WORKS

9566 - JASPER AVE. EDMONTON ALBERTA

RELIANCE STEEL TANKS & BOILERS

FOREWORD

The Boilers you are going to read about here incorporate all of the desirable features of economy and performance which have been responsible for the wide acceptance of "Reliance" products over the last thirty years.

You will find Boilers for every use including three pass steel fire box type from five to two hundred h.p. units. These are adaptable for gas, wood or oil firing, also built for 100 pound pressure. In every instance the construction of these boilers is built to inter-provincial regulations.

For Dairies, Dry Cleaning Plants, Hospitals or wherever the process steam is used you will find the ideal Boiler to meet your needs when you install a "Reliance." If it is efficient results you want call our local agent and he will be pleased to assist you in selecting the right Boiler for your particular use.

Reliance Steel Tank & Boiler Works
EDMONTON, ALBERTA

SPECIFICATIONS OF "NOLNAH" HEATING BOILERS — STANDARD

FOR BURNING COAL, OIL OR GAS

MAXIMUM WORKING PRESSURE - 15 P S I G. WELDED STEEL PLATE CONSTRUCTION

BOILER NUMBER	STEAM CAPACITY GROSS RATING	HEATING SURFACE IN SQ. FT.	GRATE AREA IN SQ. FT.	WIDTH OF BLR. IN INS.	LENGTH OF BLR. IN INS.	OVERALL HGHT. IN INS.	OVERALL LENGTH IN INS.	WATERLINE HGHT. IN INS.	FIRE BOX HGHT. IN INS.	FIRE BOX LENGTH IN INS.	FIRE BOX WIDTH IN INS.	PIPE SIZE OF STEAM OUTLET	RETURN	SAFETY VALVE	FOR 1 BOILER			FOR 2 BOILERS			SURFACE TO COVER IN SQ. FT.	APPROXIMATE SHIPPING WGHT. IN LBS.
															BREECHING DIA. IN INS.	STACK DIA. IN INS.	MIN. HGHT. OF STACK IN FT.	BREECHING DIA. IN INS.	STACK DIA. IN INS.	MIN. HGHT. OF STACK IN FT.		
300	1050	75	3.8	30	42	65	62	55	36	38	24	3	2½	2	16	14	35	20	18	45	53	2800
301	1218	87	4.5	"	48	"	68	"	"	44	"	3	2½	2	16	14	35	20	18	45	58	2860
302	1386	99	5.2	"	54	"	74	"	"	50	"	3	2½	2	16	14	35	20	18	45	63	2920
303	1554	111	5.9	"	60	"	80	"	"	56	"	4	3	2	16	14	35	20	20	45	68	2980
304	1722	123	6.6	"	66	"	86	"	"	62	"	4	3	2	18	16	40	20	20	50	73	3040
305	1890	135	7.3	"	72	"	92	"	"	68	"	5	3	2	18	16	40	20	20	50	78	3100
306	2002	143	7.8	"	78	"	98	"	"	74	"	5	3	2	18	16	40	20	20	50	83	3160
360	2282	163	5.6	36	52	83	76	70	41	46	29	5	3	2	22	18	45	28	26	55	80	4500
361	2678	191	7.3	"	60	"	84	"	"	54	"	5	3	2	22	20	50	28	28	60	92	4650
362	3073	220	8.9	"	69	"	92	"	"	62	"	6	4	2	22	20	50	30	28	60	104	4800
363	3469	248	10.6	"	76	"	100	"	"	70	"	6	4	2½	22	20	50	30	28	65	116	4950
364	3868	276	12.5	"	84	"	108	"	"	78	"	6	4	2½	22	20	50	30	28	65	128	5200
420	4834	345	12.0	42	72	95	100	82	43	65	35	6	4	3	24	22	60	34	31	70	120	5400
421	5429	388	13.7	"	80	"	108	"	"	73	"	6	4	3	24	22	60	34	31	70	132	5700
422	6017	430	15.8	"	88	"	116	"	"	81	"	6	4	3½	26	24	60	38	34	70	144	6000
423	6605	472	18.0	"	96	"	124	"	"	89	"	6	4	3½	26	24	60	38	34	70	156	6400
480	7678	548	15.7	48	84	107	112	93	46	82	39	8	6	3½	28	26	65	38	34	75	150	7850
481	8078	577	16.9	"	88	"	116	"	"	86	"	8	6	3½	28	26	65	40	36	75	162	8350
482	8876	634	19.2	"	96	"	124	"	"	90	"	8	6	3½	28	26	65	40	36	75	174	8850
483	9688	692	21.7	"	104	"	132	"	"	98	"	8	6	4	28	28	65	44	42	80	186	9350
484	10486	749	23.9	"	112	"	140	"	"	106	"	8	6	4	32	30	70	46	42	80	198	9850

GROSS RATING BASED ON 14 SQ. FT. OF RADIATION PER SQ. FT. OF BOILER HEATING SURFACE. FOR NET RATING DEDUCT 20%. FOR WATER BOILERS ADD 60%. FOR STOKER, OIL OR GAS FIRED BOILERS ADD 20%. WE MANUFACTURE BOILERS OF SIZES LARGER THAN LISTED ABOVE. PRICES ON APPLICATION.

RELIANCE STEEL TANK & BOILER WORKS

60" BOILERS

RECORD No. 974.2

BOILER NO.	LENGTH	HEATING SURFACE	GRATE AREA	SAFETY VALVES
600	96"	803 SQ. FT.	24 SQ. FT.	3"
601	108"	910 " "	28 " "	3½"
602	120"	999 " "	32 " "	4"
603	132"	1087 " "	36 " "	4½"

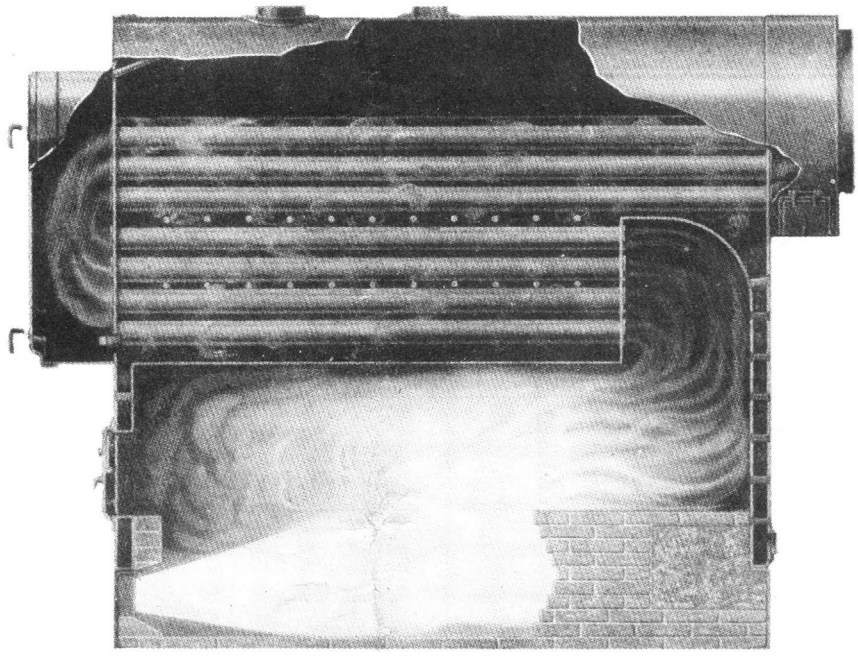
72" BOILERS

RECORD No. 789.2

BOILER NO.	LENGTH	HEATING SURFACE	GRATE AREA	SAFETY VALVES
720	120"	1295 SQ.FT.	38 SQ. FT.	2-3½"
721	132"	1434 " "	44 " "	2-3½"
722	144"	1571 " "	49 " "	1-4" & 1-3½"
723	156"	1709 " "	55 " "	2-4"

RELIANCE STEEL TANK & BOILER WORKS

STEEL HEATING BOILERS

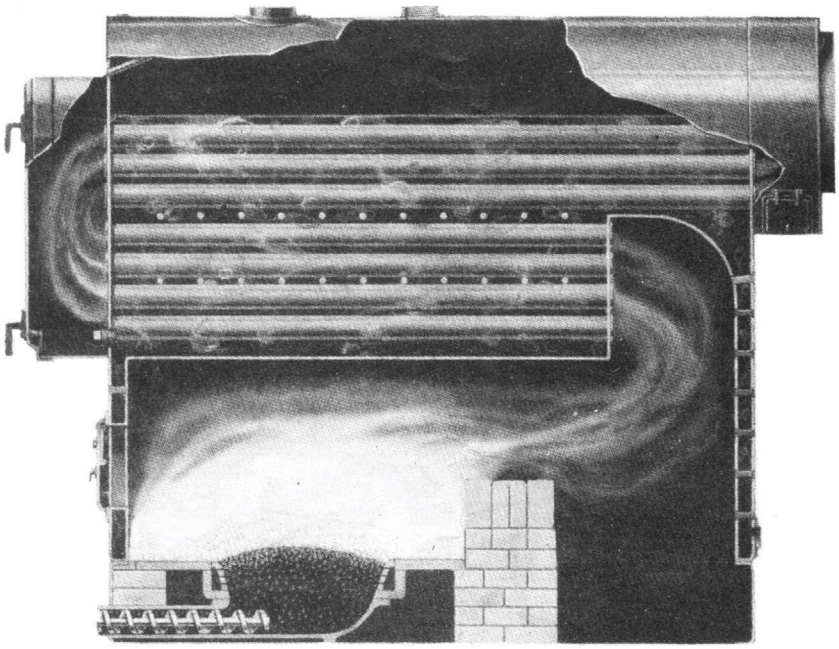


OIL, GAS OR STOKER FIRING

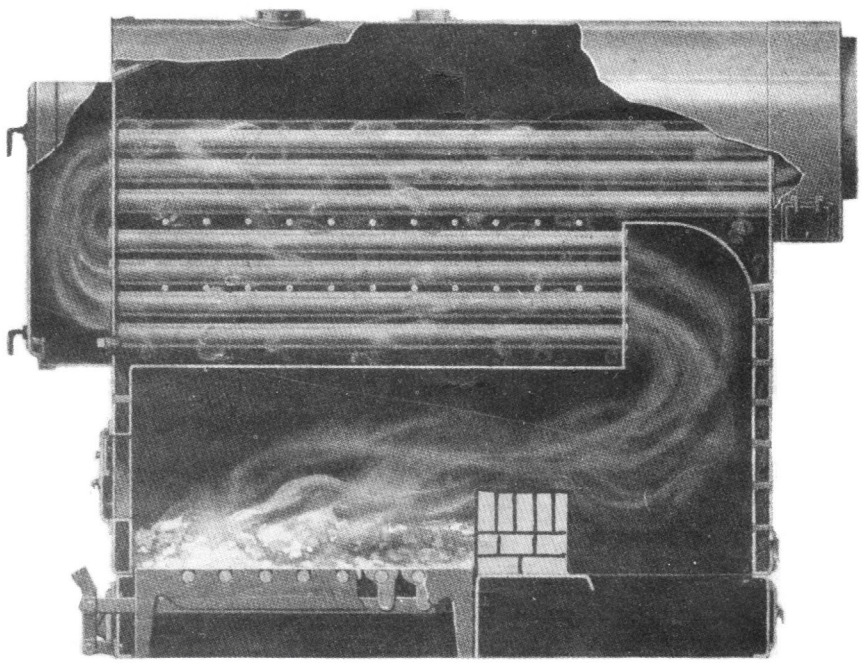
RECOMMENDED FOR RESIDENCES, APARTMENTS, HOTELS, INDUSTRIAL OFFICES, SHIPS' GALLEYS, BAKERIES, PACKING PLANTS, AIR CONDITIONING SYSTEMS, CHEMICAL PROCESSING, PORTABLE CLEANING PLANTS.

RELIANCE STEEL TANK & BOILER WORKS

STEEL HEATING BOILERS



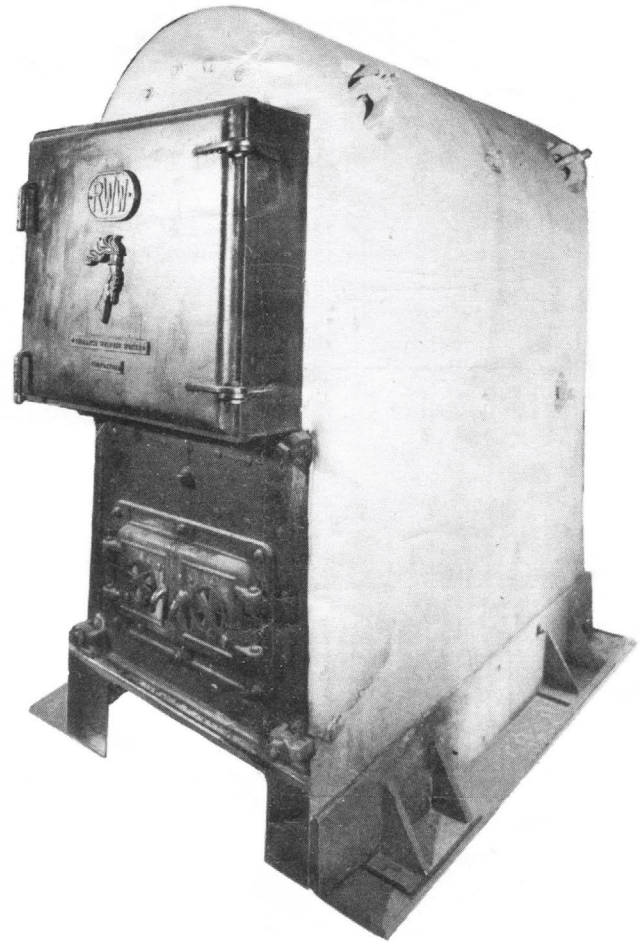
FOR STOKER FIRING



FOR HAND FIRING

RELIANCE STEEL TANK & BOILER WORKS

100-LB. BOILER



FOR GAS, STOKER AND HAND FIRING

RECOMMENDED FOR

HOSPITALS « DRY CLEANING PLANTS

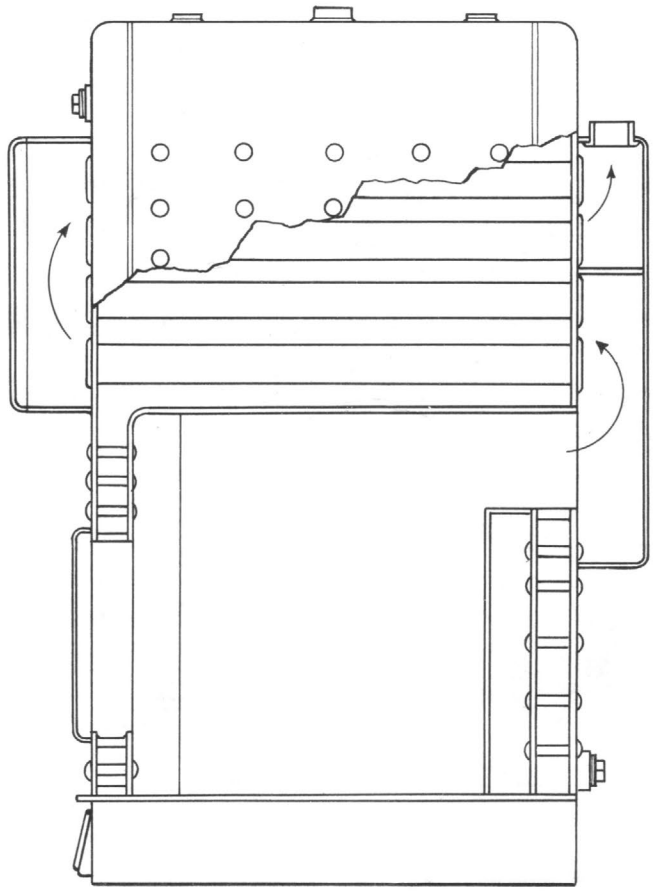
DAIRIES

WHEREVER PROCESS STEAM IS USED

RELIANCE STEEL TANK & BOILER WORKS

3-PASS

100-LB. PRESSURE BOILER



FOR GAS, STOKER AND HAND FIRING

RECOMMENDED FOR

HOSPITALS « DRY CLEANING PLANTS

DAIRIES

WHEREVER PROCESS STEAM IS USED

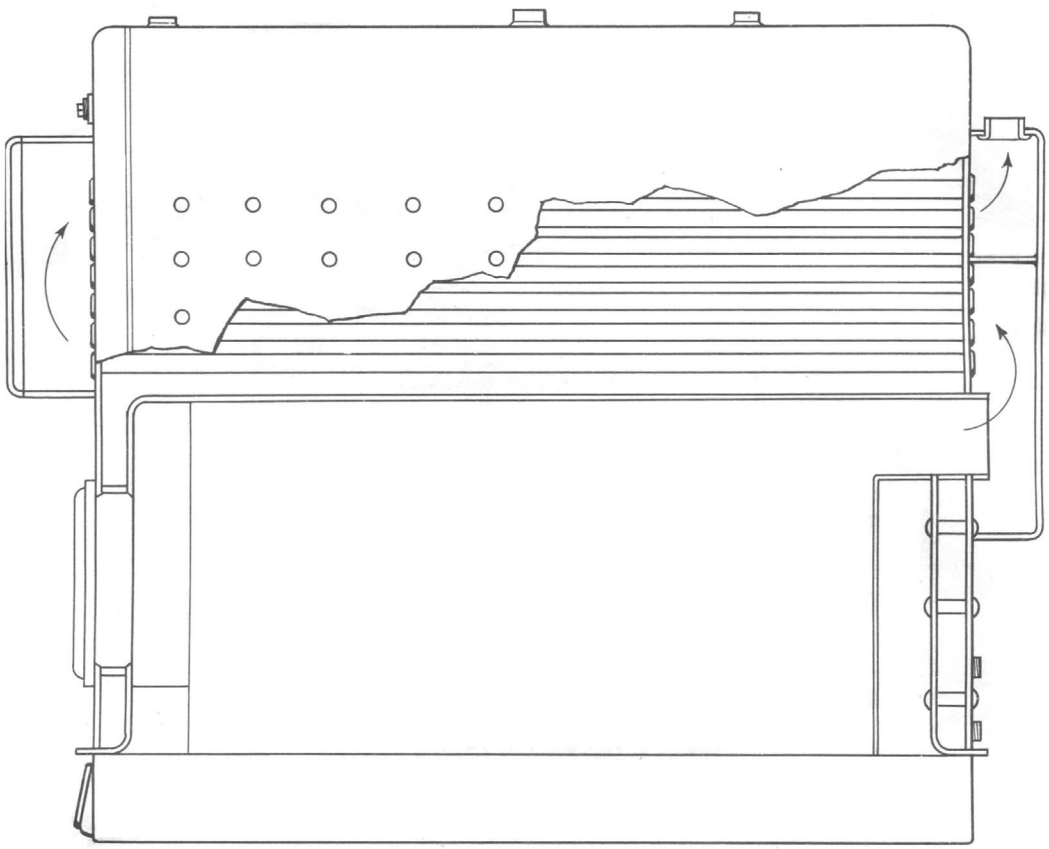
RELIANCE STEEL TANK & BOILER WORKS

3 - PASS

100 - LB. PRESSURE BOILER

(STEEL FIRE BOX TYPE)

INTER-PROVINCIAL REGULATIONS



FOR GAS, STOKER AND HAND FIRING

FOR OIL, GAS OR STOKER FIRING

Reliance Steel Tank Boilers for Steam or Water are constructed, tested, inspected and stamped in accordance with the A.S.M.E. Code for low pressure heating boilers: steam working pressure 15 lbs., water working pressure 30 lbs. Reliance Water Boilers can be furnished for working pressures up to 100 lbs. at extra cost.

Reliance Boilers shown here are of welded construction and have 3 inch tubes. They are re-designed to have an increased number of tubes in cross section and an increased steam space due to staggered setting of some of the tubes. This has been accomplished without increasing the over-all size of the boilers for the same ratings, consequently the water capacity is less and effective heating temperature is reached in less time.

The firebox heating surface is large in these boilers, the furnace volume is in excess of the S.H.B.I. requirements, and the tube lengths are in accordance with established practice. The single body of water and free circulating spaces are characteristic of all Reliance Boilers and permit the utilizing of the other fundamental features to a maximum degree.

Ratings, minimum furnace volumes, openings, and details of construction are in accordance with the recommended practice of the S.H.B.I.

A steel base is regularly furnished. The burner opening is provided when specified. These boilers are built with C.S. insulated flue doors, C.S. fire doors with liners, and clean-out doors. A flue cleaner is furnished with all boilers; a brush type for oil or gas, and a scraper for stoker fired.

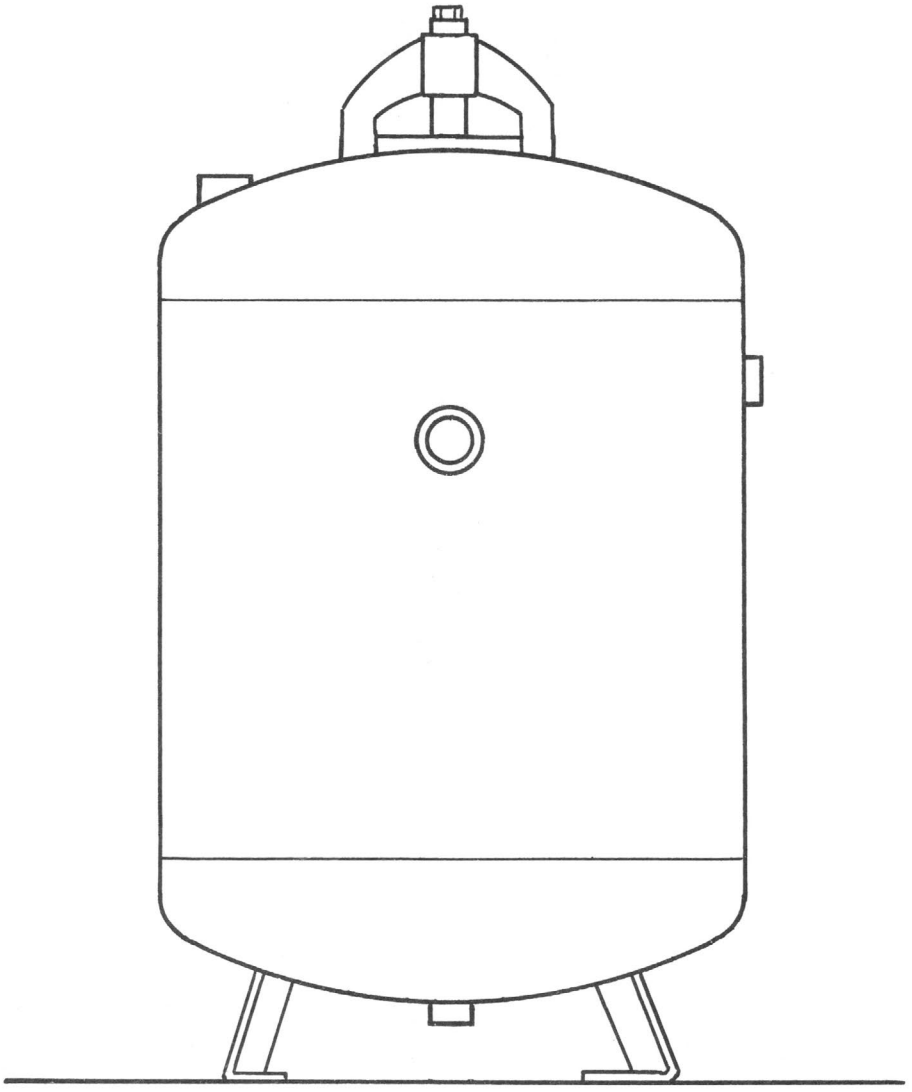
Trimmings are furnished with steam boilers only and consist of: safety valve, steam gauge with syphon and cock, and water column with water gauge, glass and cocks.

If boilers are stoker fired we can give extended water leg on any of these boilers if so desired.

RELIANCE STEEL TANK & BOILER WORKS

BLOW-DOWN TANKS

100 LBS. --- 150 LBS.



BLOW-DOWN TANKS, 30" AND 36" DIAMETER, BUILT TO INTER-PROVINCIAL REGULATIONS FOR 100-150 LBS. PRESSURE.

VERTICAL BOILERS

FROM 2 TO 20 H.P.

SPECIFICATIONS FOR VERTICAL BOILERS FROM 20-100 H.P. SENT UPON REQUEST

FIXTURES —Fire and Ash Doors; Grates and Grate Bearers; and Smoke Bonnet.

TOOLS —Tube Brush and Rod.

MOUNTINGS—Steam Gauge and Syphon; Water Glass; Try Cocks; Safety Valve; Blow-off Valve and Nipple; also Feed and Check Valves.

EXTRAS —Smoke Stack; Injector and Piping.

HORSE POWER	2	4	6	8	10	13	16	20
DIAMETER ____ IN.	19	24	24	26	30	30	34	34
HEIGHT OF SHELL PROPER ____ IN.	44	48	66	66	64	82	72	90
" " EX. ASHPIT ____ IN.	6	7	7	7	9	9	9	9
" " SMOKE BONNET ____ IN.	12	12	12	12	14	14	15	15
" OVERALL ____ IN.	62	67	85	85	87	105	96	114
THICKNESS OF HEADS ____ IN.	5/16	5/16	5/16	5/16	3/8	3/8	3/8	3/8
" OF SHELL ____ IN.	1/4	1/4	1/4	1/4	1/4	1/4	5/16	5/16
FIREBOX DIA. AND HEIGHT ____ IN.	15×14	20×18	20×18	22×18	26×22	26×22	30×24	30×24
" GRATE AREA ____ SQ.Ft.	1.2	1.9	1.9	2.6	3.6	3.6	4.9	4.9
TUBES NUMBER, 2 IN. ____	15	26	26	36	50	50	68	68
" LENGTH ____ IN.	30	30	48	48	42	60	48	66
HEATING SURFACE ____ SQ.Ft.	21	44	67	85	104	143	167	216
OUTLETS STEAM ____ IN.	1	1¼	1¼	1¼	1¼	1¼	1½	1½
" SAFETY VALVE ____ IN.	1	1¼	1¼	1¼	1¼	1¼	1¼	1¼
" FEED ____ IN.	½	½	½	½	½	½	¾	¾
" BLOW OFF ____ IN.	1	1	1	1	1	1	1	1
STACK DIAMETER ____ IN.	7	7	7	7	9	9	11	11
WEIGHT, BARE BOILER ____ LBS.	390	780	990	1250	1400	1700	1900	2350
" WITH FIX. AND MOUNTINGS ____ LBS.	600	1000	1200	1500	1700	2000	2300	2750

CREATED, DESIGNED
AND
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